

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Patent Application of:  
Yun-Bok Lee, et al.

Confirmation No.: Not Yet Assigned

Application No.: Not Yet Assigned

Group Art Unit: N/A

Filed: Concurrently Herewith

Examiner: Not Yet Assigned

For: A MULTI-DOMAIN LIQUID CRYSTAL  
DISPLAY DEVICE

Customer No.: 30827

**INFORMATION DISCLOSURE STATEMENT (IDS)**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

Pursuant to 37 CFR 1.56, the attention of the Patent and Trademark Office is hereby directed to the references listed on the attached PTO/SB/08 and Related Statement. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

This Information Disclosure Statement accompanies the new patent application submitted herewith.

References are not supplied because they were previously cited by or submitted to the Office in a prior Application No. 09/497,507, filed February 4, 2000 and relied upon in this application for an earlier filing date under 35 U.S.C. 120.

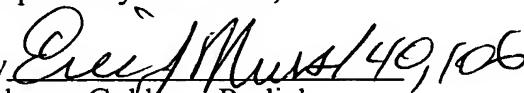
Application No.: Not Yet Assigned  
Application Filed: December 2, 2003

Docket No.: 8733.033.10-US

The Director is hereby authorized to charge any deficiency in the fees filed, asserted to be filed or which should have been filed herewith (or with any paper hereafter filed in this application by this firm) to our Deposit Account No. 50-0911, under Order No. 8733.033.20-US. A duplicate copy of this paper is enclosed.

Dated: December 2, 2003

Respectfully submitted,

By   
Rebecca Goldman Rudich

Registration No.: 41,786  
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1900 K Street, N.W.  
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Attorney for Applicant

Form PTO 1449 (Modified)	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO.:	SERIAL NO.:
		8733.033.10	Not Yet Assigned
		APPLICANT: Yon Bok LEE, et al.	
LIST OF REFERENCES CITED BY APPLICANT (Use Several Sheets if Necessary)		FILING DATE: December 2, 2003	GROUP: Not Yet Assigned

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
	AA	5,249,070	05/1993	TAKANO	359	54	
	AB	5,623,354	04/1997	LIEN et al.	349	124	

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION YES	NO
	AC	0 884 626	12/1998	Europe		x
	AD	961 0774	04/1996	WO		x

## OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)

AE	A. Lien, R.A. John, Two-Domain TN-LCDs Fabricated by Parallel Fringe Field Method, SID Digest, 1993, pgs. 269-272		
AE	A. Lien, R.A. John, TFT-Addressed Two-Domain TN VGA Displays Fabricated Using the Parallel Fringe Field Method, SID Digest, 1994, pgs. 594-597		
AG	N. Koma, Y. Baba, K. Matsuoka, No-Rub Multi-Domain TFT-LCD Using Surrounding-Electrode Method, SID Digest, 1995, pgs. 869-872		
AH	H. Murai, M. Suzuki, S. Kaneko, Novel High Contrast Random and Controlled 4-Domain CTN-LCDs with Wide Viewing Angle, Euro Display '96, pgs. 159-161		
AI	Y. Koike, S. Kataoka, T. Sasaki, H. Chida, H. Tsuda, A. Takeda and K. Ohmuro, T. Sasabayashi, K. Okamoto, A Vertically Aligned LCD Providing Super-High Image Quality, IDW '97, pgs. 159-162		
AJ	N. Koma, R. Nishikawa, Development of a High-Quality TFT-LCD for Projection Displays, SID Digest, 1997, pgs. 461-464		
AK	K. Ohmuro, S. Kataoka, T. Sasaki, Y. Koike, Development of Super-High Image Quality Vertical Alignment Mode LCD, SID Digest, 1997, pgs. 845-848		
EXAMINER:	01	DATE CONSIDERED:	

\*EXAMINER: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

**U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICE**

**LIST OF REFERENCES CITED BY  
APPLICANT**  
*(Use Several Sheets if Necessary)*

Date: September 25, 2001

**Attorney Docket No.**

8733.033.10

**Application No.**

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Not Yet Assigned

**Applicant**  
Yun Bok LEE et al.

Filing Date  
December 2, 2003

**Group** : Not Yet Assigned

## **U.S. PATENT DOCUMENTS**

## **FOREIGN PATENT DOCUMENTS**

		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION	
					YES	NO
		JP 1028622	1/1989	Japan	Abstract	

**OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)**

Page 1 of 1

**EXAMINER**

**DATE CONSIDERED**

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\*\*English-language abstract provided

Form PTO 1449 Modified)	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO.:	SERIAL NO.:
		8733.033.10	Not Yet Assigned
		APPLICANT: Yun Bok LEE et al.	
LIST OF REFERENCES CITED BY APPLICANT (Use Several Sheets if Necessary)		FILING DATE:	GROUP:
		December 2, 2003	Not Yet Assigned

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
	AA	4,581,608	04/1986	AFTERGUT et al.	340	704	
	AB	4,728,175	03/1988	BARON	350	336	
	AC	4,937,566	06/1990	CLERC	340	784	
	AD	4,978,203	12/1990	YAMAZAKI et al.	350	339 R	
	AE	5,574,582	11/1996	TAKEDA et al.	359	59	
	AF	5,668,650	09/1997	MORI et al.	349	42	
	AG	5,737,051	04/1998	KONDO et al.	349	141	
	AH	5,777,701	07/1998	ZHANG	349	44	

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION YES	NO
	AI	0 752 611	01/1997	Europe		N/A
	AJ	0 814 142	12/1997	Europe		N/A
	AK	0 854 377	07/1998	Europe		N/A
	AL	2 296 810	07/1996	UK		N/A
	AM	2 321 718	08/1998	UK		N/A
	AN	2 337 843	01/1999	UK		N/A
	AO	05-297412	11/1993	Japan	Abstract	
	AP	09-197420	07/1997	Japan	Abstract	
	AQ	09-230387	09/1997	Japan	Abstract	
	AR					

## OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)

AR	
AS	
AT	
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In re Application of: Yon Bok LEE et al.

Group Art Unit: Not Yet Assigned

Serial No.: Not Yet Assigned

Examiner: Unknown

Filed: December 2, 2003

For: MULTI-DOMAIN LIQUID CRYSTAL DISPLAY DEVICE

RELATED CASES STATEMENT

Assistant Commissioner for Patents  
Washington, D.C. 20231

Sir:

Applicant hereby provides a list of pending U.S. applications or issued patents which may be related to the present application.

Examiner's <u>Initial</u>	U.S. Serial <u>Number</u>	Filing <u>Date</u>	Inventor <u>Name</u>	Our <u>Ref.</u>
_____	09/250,262	02/1999	KIM et al.	8733.6881
_____	09/357,247	07/1999	LEE	8733.6930
_____	09/537,570	03/2000	KIM et al.	8733.20094
_____	09/256,180	02/1999	SEO et al.	8733.8308
_____	09/326,415	01/1999	KIM et al.	8733.20010
_____	09/421,114	10/1999	KIM et al.	8733.20023
_____	09/448,276	11/1999	LEE et al.	8733.20024
_____	09/497,507	02/2000	LEE et al.	8733.20025
_____	09/327,283	01/1999	YOO et al.	8733.20002
_____	09/598,213	06/2000	KIM et al.	8733.20105

Docket No.: 8733.033.10-US  
Filing Date: December 2, 2003

**RELATED CASES STATEMENT**

<u>Examiner's Initial</u>	<u>U.S. Serial Number</u>	<u>Filing Date</u>	<u>Inventor Name</u>	<u>Our Reference</u>
_____	09/541,426	04/2000	KIM et al.	8733.20102
_____	09/567,134	05/2000	KIM et al.	8733.20119
_____	09/618,165	07/2000	CHOI et al.	8733.039.20

Date Considered: \_\_\_\_\_

Dated: December 2, 2003

Respectfully submitted,

By   
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